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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q63516

Eun-kyung LEE, et al.

Appln. No.: 09/835,319

Group Art Unit: 2828

Confirmation No.: 5337

Examiner: RODRIGUEZ, ARMANDO

Filed: April 17, 2001

For: **MULTI-WAVELENGTH SURFACE EMITTING LASER AND METHOD FOR MANUFACTURING THE SAME**

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore Applicant is filing

INFORMATION DISCLOSURE STATEMENT

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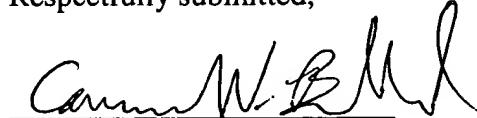
concurrently herewith a Statement Under 37 C.F.R. § 1.97(e). No fee under 37 C.F.R. § 1.17(p) is required.

The present Information Disclosure Statement is being filed thirty days or fewer from the communication from a foreign patent office and a Statement Under 37 C.F.R. § 1.704(d) is attached.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE
23373
CUSTOMER NUMBER

Date: April 20, 2004



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STATEMENT UNDER 37 C.F.R. § 1.704(d)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed concurrently herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and that the communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of said Information Disclosure Statement.

Respectfully submitted,

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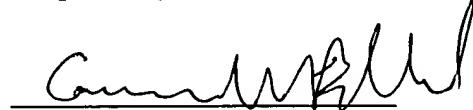
Commissioner for Patents
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Respectfully submitted,



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Substitute for Form 1449 A & B/PTC

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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Complete if Known

Application Number	09/835,319
Confirmation Number	5337
Filing Date	April 17, 2001
First Named Inventor	Eun-kyung LEE
Art Unit	2828
Examiner Name	RODRIGUEZ, ARMANDO
Attorney Docket Number	Q63516

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		YANG K et al.: "Monolithic Oxide-Confining Multiple-Wavelength Vertical-Cavity Surface-Emitting Laser Arrays with a 57-nm Wavelength Grading Range Using an Oxidized Upper Bragg Mirror": IEEE Photonics Technology Letters, IEEE Inc. New York, US, vol. 12, no. 4, April 2000; pages 377-379, XP000950284	
		KOYAMA F et al.: "Two-dimensional multiwavelength surface emitting laser arrays fabricated by nonplanar MOCVD": Electronics Letters, IEE Stevenage, GB, vol. 30, no. 23, November 10, 1994; pages 1947-1948, XP006001296	
		WIPIEJEWSKI T. et al.: "Multiple wavelength vertical-cavity laser array employing molecular beam epitaxy regrowth": Electronics Letters, IEE Stevenage, GB, vol. 32, no. 4, February 15, 1996; pages 340-342, XP006004708	

Examiner Signature _____ **Date Considered** _____

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.